

# Lightning Student Activity Book

## I. Introduction

Lightning kills hundreds of people around the world each year. It is estimated that lightning strikes the earth about 100 times every second. Lightning starts wildfires, destroys computers, fries the wiring in phones, and upsets AM radio reception.

### Get Info Objectives

1. Explain the causes of lightning and thunder.
2. Describe lightning damage.
3. Describe the most safe and least safe places to be during a thunderstorm.

### Gather Data Objectives

1. Draw the types of lightning.
2. Determine the place and time lightning strikes most often in the United States.
3. Explain first aid for someone struck by lightning.

### Applying Principles Objectives

1. Calculate the distance from a strike using the flash to bang rule.
2. Calculate the speed of sound in feet per second.
3. Calculate the speed of sound in meters per second.

Before doing anything else, add the NOAA Research "Lightning" page to Bookmarks or Favorites on your web browser.